EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1064	(277/434,437,459,460,464,465,472,).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/08/22 18:21
S2	29	("0345767" | "2224338" | "2311728" | "2334243" | "2764458" | "2905512" | "3026219" | "3191946" | "3206219" | "3653670" | "3683477" | "3752490" | "3921988" | "4045036" | "4079949" | "4099730" | "4139205" | "4497497" | "5265890" | "5603512").PN. OR ("6655697").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 14:49
S3	5	("2368137").PN. OR ("4371174").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 14:58
S4	0	("2668088").URPN.	USPAT	OR	OFF	2007/03/26 15:18
S5	0	("1999494").URPN.	USPAT	OR	OFF	2007/03/26 15:26
S6	0	("1999494").URPN.	USPAT	OR	OFF	2007/03/26 15:26
S7	1240	(oil adj2 ring) same piston	US-PGPUB; USPAT	OR	ON	2007/03/26 15:37
S8	24	S7 and spring same (wave or sine)	US-PGPUB; USPAT	OR	ON	2007/03/26 15:38
S9	1087	(oil adj2 ring) same piston	EPO; JPO; DERWENT	OR	ON	2007/03/26 15:37
S10	6	S9 and spring same (wave or sine)	EPO; JPO; DERWENT	OR	ON	2007/03/26 15:38
S11	5	("2368137").PN. OR ("4371174").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 16:21
S12	17	277/472	US-PGPUB; USPAT	OR	OFF	2007/03/26 16:22
S13	83	(277/472).CCLS.	USPAT	OR	OFF	2007/03/26 16:22

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	(10/479372).APP.	USPAT; USOCR	OR	OFF	2007/08/22 18:09
L3	28	("1327801" | "2291945" | "2346897" | "2452503" | "2511874" | "2657962" | "2754165" | "2848288" | "3241219" | "3326561" | "3822973" | "4099730" | "4452464" | "4629200" | "4669369" | "5295696" | "5788246" | "6793222").PN. OR ("7252292").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/22 18:10
L4	5	("2368137").PN. OR ("4371174").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/22 18:15
L5	4583	(oil or piston) same ring same spring same (recess or channel)	US-PGPUB; USPAT	OR	ON	2007/08/22 18:16
L6	101	(oil or piston) same ring same spring same (recess or channel) same (wave or sine)	US-PGPUB; USPAT	OR	ON	2007/08/22 18:20
L7	0	("2007/0080502").URPN.	USPAT	OR	OFF	2007/08/22 18:17
L8	2	(oil or piston) same ring same spring same (recess or channel) same (wave or sine)	EPO; JPO; DERWENT	OR	ON	2007/08/22 18:20
L9	1069	(277/434,437,459,460,464,465,472,).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/08/22 18:23
L11	0	oil same ring same recess same spring same sine same (phase-shift$3) same surface	US-PGPUB; USPAT	OR	ON	2007/08/22 18:25
L12	0	oil same ring same recess same spring same sine same shifted same surface	US-PGPUB; USPAT	OR	ON	2007/08/22 18:25